Resource Summary Report

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ACID

RRID:SCR_010470
Type: Tool

Proper Citation

ACID (RRID:SCR_010470)

Resource Information

URL: http://www.diffusiontools.com/

Proper Citation: ACID (RRID:SCR_010470)

Description: Academic software toolkit for pre-processing of diffusion MRI data, estimation of DTI indices and spatially normalisation of DTI index maps, which fully integrates into the batch system of SPM8. These tools are made for users familiar with the underlying statistical, mathematical and image processing concepts. The ACID toolbox provides the option to write the estimated diffusion tensor in the format of the DTI and Fibertools Software Package.

Abbreviations: ACID

Synonyms: Artefact correction in diffusion MRI, ACID toolbox, ACID - Artefact correction in diffusion MRI

Resource Type: software toolkit, software resource

Keywords: dti, diffusion mri, pre-processing

Availability: GNU General Public License, v2 or later

Resource Name: ACID

Resource ID: SCR_010470

Alternate IDs: nlx_157719

Record Creation Time: 20220129T080259+0000

Record Last Update: 20260803T040555+0000

Ratings and Alerts

No rating or validation information has been found for ACID.

No alerts have been found for ACID.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 62 mentions in open access literature.

Listed below are recent publications. The full list is available at nidm-terms .

Zhang Y, et al. (2026) Phosphorus-activated carboxyl small molecule positive electrode for high specific capacity and long-life iron-organic batteries. Nature communications, 17(1).

Zhou W, et al. (2025) Triplet-ground-state nonalternant nanographene with high stability and long spin lifetimes. Nature communications, 16(1), 1006.

Thu VTA, et al. (2025) Deciphering linezolid-induced hematologic toxicity: Targeting TOP2A and TOP2B via its primary metabolite PNU142586. Science advances, 11(22), eadt5833.

Cárdenas A, et al. (2025) Oxidation of [3]naphthylenes to cations and dications converts local paratropicity into global diatropicity. Beilstein journal of organic chemistry, 21, 277.

Kalita P, et al. (2025) Molecular basis for human respiratory syncytial virus transcriptional regulator NS1 interactions with MED25. Nature communications, 16(1), 2883.

Reyes AL, et al. (2025) Ground and Excited State Aromaticity in Azulene-Based Helicenes. Chemphyschem : a European journal of chemical physics and physical chemistry, 26(7), e202400833.

Gao Z, et al. (2025) A robust machine learning model based on ribosomal-subunit-derived piRNAs for diagnostic potential of nonsmall cell lung cancer across multicentre, large-scale of sequencing data. Clinical and translational medicine, 15(8), e70418.

Shen H, et al. (2024) Language model enables end-to-end accurate detection of cancer from cell-free DNA. Briefings in bioinformatics, 25(2).

Yan K, et al. (2024) Ultra-photostable small-molecule dyes facilitate near-infrared biophotonics. Nature communications, 15(1), 2593.

Liou TH, et al. (2024) Efficient Removal of Hazardous P-Nitroaniline from Wastewater by Using Surface-Activated and Modified Multiwalled Carbon Nanotubes with Mesostructure. Toxics, 12(1).

David G, et al. (2024) ACID: A comprehensive toolbox for image processing and modeling of brain, spinal cord, and ex vivo diffusion MRI data. Imaging neuroscience (Cambridge,

Mass.), 2.

Walker KA, et al. (2023) MRI and fluid biomarkers reveal determinants of myelin and axonal loss with aging. Annals of clinical and translational neurology, 10(3), 397.

Le Sayec M, et al. (2023) Identification and quantification of (poly)phenol and methylxanthine metabolites in human cerebrospinal fluid: evidence of their ability to cross the BBB. Food & function, 14(19), 8893.

Chen L, et al. (2023) Synthesis and characterization of Craig-type antiaromatic species with [4n + 2] ? electrons. Proceedings of the National Academy of Sciences of the United States of America, 120(6), e2215900120.

Majerz I, et al. (2023) Crystal Structure and Chemical Bonds in [CuII2(Tolf)4(MeOH)2]? 2MeOH. International journal of molecular sciences, 24(2).

Milotta G, et al. (2023) Mitigating the impact of flip angle and orientation dependence in single compartment R2* estimates via 2-pool modeling. Magnetic resonance in medicine, 89(1), 128.

Le HH, et al. (2022) Host hepatic metabolism is modulated by gut microbiota-derived sphingolipids. Cell host & microbe, 30(6), 798.

Büeler S, et al. (2022) Optimized multi-echo gradient-echo magnetic resonance imaging for gray and white matter segmentation in the lumbosacral cord at 3 T. Scientific reports, 12(1), 16498.

El Bakouri O, et al. (2022) Three-Dimensional Fully ?-Conjugated Macrocycles: When 3D-Aromatic and When 2D-Aromatic-in-3D? Journal of the American Chemical Society, 144(19), 8560.

Clark IA, et al. (2022) Conduction velocity along a key white matter tract is associated with autobiographical memory recall ability. eLife, 11.